

**PATENT NO.: MSFT-2519/304103.01**

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In Re Application of:**

**Eric P. Traut**

**Confirmation No.: 8276**

**Serial No.: 09/747,492**

**Group Art Unit: 2123**

**Filing Date December 21, 2000**

**Examiner: To Be Assigned**

**For: System and Method For the Logical Substitution of Processor Control in an  
Emulated Computing Environment**

**VIA HAND-DELIVERY**

Mail Stop DSD  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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**POWER OF ATTORNEY WITH REVOCATION**

Revoking any and all powers of attorney heretofore given in the matter of the above-entitled application, the undersigned, assignee of the entire interest in the above-identified application, hereby appoints **Steven J. Rocci**, Registration No. **30,489**, of Philadelphia, Pennsylvania, as attorney, with full power of substitution and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith.

**Send all future correspondence and address all telephone calls to:**

Steven J. Rocci  
WOODCOCK WASHBURN LLP  
One Liberty Place - 46th Floor  
Philadelphia, PA 19103  
Telephone: (215)568-3100

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In addition, the assignee also appoints the following attorneys listed below of **MICROSOFT CORPORATION, One Microsoft Way, Redmond, Washington 98052** with full power of substitution and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith.

**Daniel D. Crouse**

**Registration No. 32,022**



A Statement under 37 CFR § 3.73(b) and copies of relevant documents accompany this Revocation of Power of Attorney.

Respectfully submitted,



(Signature)

Date: 5/23/2003

Name: Daniel D. Crouse  
Title: Assistant Secretary  
Microsoft Corporation

DOCKET NO.: MSFT-2519/304103.01



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STATEMENT UNDER 37 CFR § 3.73(b)

Microsoft Corporation, a corporation of the State of Washington, states that it is:

- ☒ the assignee of the entire right, title, and interest; or  
☐ an assignee of an undivided part interest


in the patent application/patent identified above by virtue of:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above.
- ☐ 1. The assignment was recorded in the Patent and Trademark Office at Reel, Frame(s)
- ☐ 2. The assignment has not yet been recorded. A copy of the assignment is attached.
- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:
- i. From: **Eric P. Traut** To: **Connectix Corporation**. The document was recorded in the Patent and Trademark Office at **Reel 012078, Frame(s) 0246**.

- ii. From: To: The document was recorded in the Patent and Trademark Office at Reel , Frame(s) , or for which a copy thereof is attached.
- iii. From: **Connectix Corporation** To: **Microsoft Corporation**, a copy of which is attached.
- ☐ Additional documents in the chain of title are listed on a supplemental sheet.
- ☐ Copies of assignments or other documents in the chain of title are attached.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

Date: 5/23/2003

  
Signature  
Name: Daniel D. Crouse  
Title: Assistant Secretary  
Microsoft Corporation

Woodcock Washburn LLP  
One Liberty Place - 46th Floor  
Philadelphia, PA 19103  
Telephone: (215) 568-3100  
Facsimile: (215) 568-3439

## **ASSIGNMENT OF PATENT AND PATENT RIGHTS**

**WHEREAS, CONNECTIX CORPORATION**, a California corporation, ("**Assignor**") owns all right, title and interest in and to the patents and patent applications ("**Intellectual Property**") identified in Schedule A attached hereto; and

**WHEREAS, MICROSOFT CORPORATION**, a Washington corporation, ("**Assignee**"), is desirous of acquiring the entire domestic and foreign right, title, and interest in and under the Intellectual Property.

**NOW, THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor assigns and transfers to Assignee and Assignee's legal representatives, successors and assigns, pursuant to the terms of an executed Asset Purchase Agreement by and among Assignor, Assignee, and Roy K. McDonald, Jonathan F. Garber, and Bonnie E. Fought ("**Founders**"), its full and exclusive rights in and to the Intellectual Property in the U.S. and every foreign country and its entire right, title, and interest in and to the Intellectual Property and related applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the Intellectual Property, and extensions or derivations thereof, both foreign and domestic, that may issue thereon, and Assignor does hereby authorize and request the Commissioner of Patents to issue U.S. patents to the above-mentioned Assignee agreeably with the terms of this Assignment document. Moreover, Assignor also assigns and transfers all claims for past infringements of each of the patents and patent applications enumerated in Schedule A.

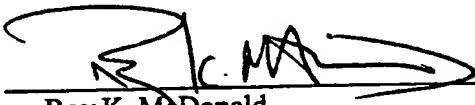
**ASSIGNOR HEREBY AUTHORIZES** the Assignee to insert in Schedule A to this assignment document the filing date and application number of any application if the date and number are unavailable at the time this document is executed.

**UPON SAID CONSIDERATION**, Assignor conveys to the Assignee the right to make application in its own behalf for protection of the Intellectual Property in the U.S. and countries foreign to the U.S. and to claim under the Patent Cooperation Treaty, the International Convention and/or other international arrangement for any such application the date of any earlier U.S. application (or any other application on the invention) to gain priority with respect to other applications.

IN WITNESS WHEREOF, Assignor has caused one of its officers to hereunder set his hand on the date shown below.

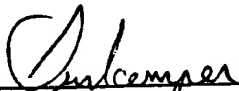
CONNECTIX CORPORATION

Date: February 18, 2003

By:   
Roy K. McDonald  
Chief Executive Officer

STATE OF CALIFORNIA )  
 ) SS:  
COUNTY OF SAN MATEO )

On this 18th day of February, 2003, before me, a Notary Public in and for said county, appeared Roy K. McDonald, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth.

  
Notary Public

{SEAL}

My Commission Expires: May 13, 2003



Schedule A

U.S. Filed			
Title	Date Filed	PTO Number	Remarks
Lossless Data Compression System and Method	April 1, 1997	5,617,552	
Virtual Memory Management System and Method Using Data Compression	December 16, 1997	5,699,539	
Dynamic Cross-Compilation System and Method	June 16, 1998	5,768,593	
Method for Creating Virtual Memory System by Redirecting Access for User Stack Instead of Supervisor Stack During Normal Supervisor Mode Processing	November 5, 19	5,063,499	

## Pending Patent Applications

Patent Number	Country	Effective Date	Patent Title	Inventor	Patent Number
09/617,709	U.S.	July 17, 2000	System and Method for Emulating the Operation of a Translation Look-Aside Buffer	Eric P. Traut	068167.0102
09/617,669	U.S.	July 17, 2000	System and Method for Displaying Current Images of Virtual Machine Environments	Eric P. Traut Benjamin Martz	068167.0103
09/617,624	U.S.	July 17, 2000	System and Method for Emulating the Operation of a Video Graphics Adapter	Tim Carroll Aaron S. Giles	068167.0104
09/747,492	U.S.	December 21, 2000	System and Method for the Logical Substitution of Processor Control in an Emulated Computing Environment	Eric P. Traut	068167.0105
09/809,731	U.S.	March 15, 2001	Method for Hybrid Processing of Software Instructions of an Emulated Computer System	Aaron S. Giles Eric P. Traut	068167.0107
09/918,295 <sup>1</sup>	U.S.	July 30, 2001	Method for Establishing a Drive Image in a Computing Environment	Eric P. Traut Aaron S. Giles Parag Chakraborty	068167.0108
09/906,392 <sup>2</sup>	U.S.	July 16, 2001	System and Method for the Logical Substitution of Processor Control in an Emulated Computing Environment	Eric P. Traut	068167.0109
PCT/US01/22276 <sup>3</sup>	PCT	July 16, 2001	System and Method for Emulating the Operation of a Memory Management Unit and a Translation Look-Aside Buffer	Eric P. Traut	068167.0110
PCT/US01/22278 <sup>4</sup>	PCT	July 16, 2001	System and Method for Displaying Current Images of Virtual Machine Environments	Eric P. Traut Benjamin Martz	068167.0111
PCT/US01/22277 <sup>5</sup>	PCT	July 16, 2001	System and Method for Emulating the Operation of a Video Graphics Adapter	Tim Carroll Aaron S. Giles	068167.0112

<sup>1</sup> This U.S. application claims the benefit of a provisional application filed on April 7, 2001.

<sup>2</sup> This U.S. application is a continuation-in-part of and claims priority from the application having Baker Botts No. 068167.0105.

<sup>3</sup> This PCT application claims priority from the application having Baker Botts No. 068167.0102.

<sup>4</sup> This PCT application claims priority from the application having Baker Botts No. 068167.0103.



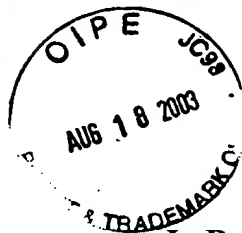
Application No.	Country	Effective Date	System and Method for the Logical Substitution of Processor Control in an Emulated Computing Environment	Inventors	Patent No.
PCT/US01/49217 <sup>6</sup>	PCT	December 19, 2001	System and Method for the Logical Substitution of Processor Control in an Emulated Computing Environment	Eric P. Traut	068167.0113
PCT/US02/06815 <sup>7</sup>	PCT	March 7, 2002	Method for Hybrid Processing of Software Instructions of an Emulated Computer System	Aaron S. Giles Eric P. Traut	068167.0114
PCT/US02/10078 <sup>8</sup>	PCT	April 1, 2002	Method for Establishing a Drive Image in a Computing Environment	Eric P. Traut Aaron S. Giles Parag Chakraborty	068167.0115
10/193,531	U.S.	July 11, 2002	Method for Forking or Migrating a Virtual Machine	Eric P. Traut Rene A. Vega	068167.0116
10/211,148	U.S.	August 2, 2002	Method for Monitoring and Emulating Privileged Instructions of Programs in a Virtual Machine	Eric P. Traut	068167.0118
10/247,298	U.S.	October 18, 2002	Software License Enforcement Mechanism for an Emulated Computer System	Eric P. Traut	068167.0119
10/247,509	U.S.	October 18, 2002	Allocation of Processor Resources in an Emulated Computing Environment	Rene A. Vega	068167.0120
Not Yet Filed			Bimodal Device Emulation	Eric P. Traut	068167.0121

<sup>5</sup> This PCT application claims priority from the application having Baker Botts No. 068167.0104.

<sup>6</sup> This PCT application claims priority from the applications having Baker Botts No. 068167.0105 and Baker Botts No. 068167.0109.

<sup>7</sup> This PCT application claims priority from the applications having Baker Botts No. 068167.0107.

<sup>8</sup> This PCT application claims priority from the applications having Baker Botts No. 068167.0108.



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Eric P. Traut

Confirmation No.: 8276

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Group Art Unit: 2123

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Examiner: To Be Assigned

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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Sir:

## ASSOCIATE POWER OF ATTORNEY

The undersigned, of the firm WOODCOCK WASHBURN LLP, One Liberty Place - 46th Floor, Philadelphia, Pennsylvania 19103, Attorney(s) and/or Agents for Applicant(s), hereby appoints the following:

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Registration No. 28,598  
Registration No. 29,916  
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Registration No. 41,100  
Registration No. 42,392  
Registration No. 43,243  
Registration No. 43,963  
Registration No. 39,495  
Registration No. 47,038  
Registration No. 46,528  
Registration No. 46,905  
Registration No. 43,966  
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Registration No. 52,355  
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Registration No. 47,875  
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Registration No. 47,835  
Registration No. 42,751  
Registration No. 45,873  
Registration No. 47,930  
Registration No. 44,141  
Registration No. 52,911

his/her associates with full power to prosecute the above-identified application and to transact all business in the Patent Office connected therewith and requests that correspondence continue to be directed to the firm of WOODCOCK WASHBURN LLP at the above address.

Date:

6/3/03

  
Steven J. Rocci  
Registration No. 30,489

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One Liberty Place - 46th Floor  
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Telephone: (215) 568-3100  
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**NOTIFICATION OF LOSS OF ENTITLEMENT TO SMALL ENTITY STATUS  
(37 CFR 1.28(b))**

Applicant hereby notifies the Patent and Trademark Office that it is no longer entitled to status as a Small Entity, and that the assertion of Small Entity status filed on **July 26, 2001**, is hereby withdrawn.

Date:

6/3/03

  
Steven J. Rocci  
Registration No. 30,489

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